

ROBERT E. BUSHNELL*†

JOSEPH G. SEEBER*
MATTHEW J. LESTINA†*
RYADVINDER S. SAHOTA†*
JONG H. PARK†
FRANK J. DYNDAA**

OF COUNSEL
RICHARD H. STERN*
HENRY M. ZYKORIE

MICHAEL D. PARKER
(REG. PATENT AGENT)

† ADMITTED IN MARYLAND
* ADMITTED IN VIRGINIA
‡ ADMITTED IN NEW YORK
□ ADMITTED IN CONNECTICUT
* ADMITTED IN NEW JERSEY
* NOT ADMITTED IN D.C.

R. E. BUSHNELL

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300
WASHINGTON, D.C. 20005-1202
UNITED STATES OF AMERICA

16 March 2004

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040
FACSIMILE (202) 289-7100
FACSIMILE (202) 628-3835
FACSIMILE (410) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

- ☐ U.S. Postal Service
☐ Via Local Courier
☐ Via International Courier
☐ Via Facsimile No. _____
☐ Via E-Mail Attachment
☐ Please Acknowledge Receipt

Mail Stop Patent Application

Commissioner for Patents

P.O.Box 1450

Alexandria, VA 22313-1450

Attorney Docket: P57003

Sir:

Submitted herewith is the following patent application:

Inventor: KI-SEON YANG

Title: CONFIGURING DIRECTION-BASED CORE BASED TREE
(CBT) FOR CBT-BASED OVERLAY MULTICAST

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 18 sheets, Figures 1A through 17B

Claim of priority under 35 U.S.C. §119: **YES**

** The Republic Of Korea Application No. 2003-19718 filed 28 March 2003

FEE (see formula below): CHECKS ENCLOSED (## 45408, 45409)

Basic Fee \$385/770 **\$770.00**

Additional Fees:

Total number of claims in excess of 20: ____ times \$9/18 . **\$0.00**

Number of independent claims in excess of 3: ____ times \$43/86 **\$0.00**

Multiple Dependent Claims \$145/290 **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 .. **\$40.00**

Filing Non-English specification **\$0.00**

TOTAL FEES FOR THE ABOVE APPLICATION **\$810.00**

031604

U.S. PTO

17354 U.S. PTO
10/800775
031604

Commissioner for Patents

16 March 2004

Page Two

Docket No.: P57003

Inventor: KI-SEON YANG

**Title: CONFIGURING DIRECTION-BASED CORE BASED TREE
(CBT) FOR CBT-BASED OVERLAY MULTICAST**

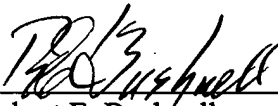
The Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the issue fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Telephone: (202) 408-9040
Telefacsimile: (202) 289-7100

REB/kf

13281 U.S. PTO

FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete If Known

Application Number	<i>to be assigned</i>
Filing Date	16 March 2004
First Named Inventor	KI-SEON YANG
Examiner Name	<i>to be assigned</i>
Group/Art Unit	<i>to be assigned</i>

TOTAL AMOUNT OF PAYMENT

(\$)810.00

Attorney Docket No.

P57003

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943

Deposit Account Number: _____

- ☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.
- ☐ Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:**(CHECKS #45408 & #45409)**

- ☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	\$770.00
1002	340	2002	170	Design filing fee	\$
1003	530	2003	265	Plant filing fee	\$
1004	770	2004	385	Reissue filing fee	\$
1005	160	2005	80	Provisional filing fee	\$

SUBTOTAL (1) (\$)770.00**2. EXTRA CLAIM FEES**

	Extra Claims	Fee from below	Fee Paid
Total claims	-20** =	x	=
Independent Claims	-3** =	x	=

Multiple Dependent

** or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1201	86	2201	43	Independent claims in excess of 3
1202	18	2202	9	Claims in excess of 20
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue Independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)0.00**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge-late filing fee or oath	\$
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For filing a request for reexamination	\$
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	\$
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$
1252	420	2252	210	Extension for reply within second month	\$
1253	950	2253	475	Extension for reply within third month	\$
1254	1,480	2254	740	Extension for reply within fourth month	\$
1255	2,010	2255	1,005	Extension for reply within fifth month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1451	1,510	1451	1,510	Petition to institute a public use proceeding	\$
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility issue fee (or reissue)	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee for provisional applications	\$
1806	180	1806	180	Submission of Information Disclosure Statement	\$
8021	40	8021	40	Recording each patent assignment per property (Times number of properties)	\$40.00
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
1810	770	2810	385	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

** Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$40.00**SUBMITTED BY****Complete (if applicable)**

Typed or Printed Name

Robert E. Bushnell, Esq.

Reg. Number

27,774

Signature

Date

16 March 2004

Deposit Account User ID

REB/kf

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

17354 U.S. PTO 10/800775

031604